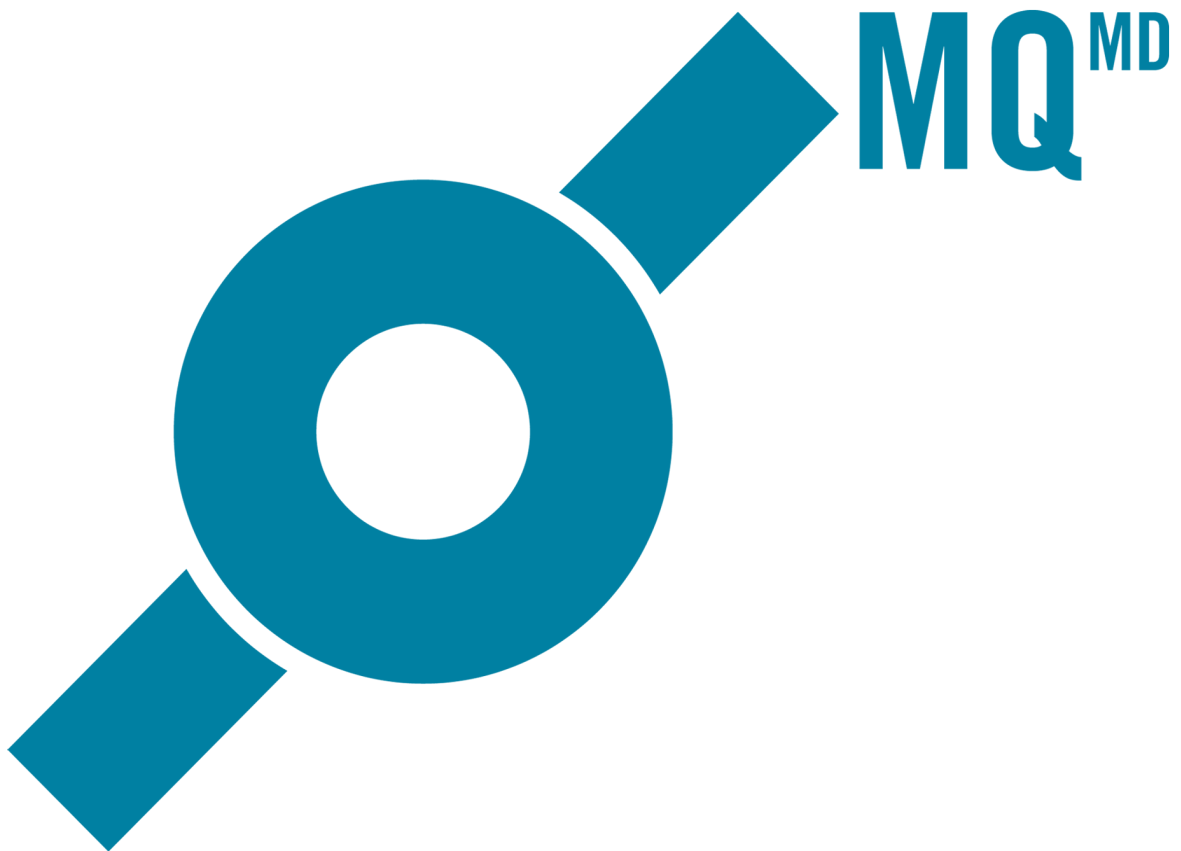




MultiQuant™ MD 3.0.1 Software

Release Notes



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Changes from Version 3.0 to Version 3.0.1

Note: No additional license activation step is required when upgrading from version 3.0 to version 3.0.1.

The following issues have been fixed.

- When the administrator adds a user group to the Security Configuration and then connects that group to the MultiQuant™ MD software, those users cannot run the MultiQuant MD software. Only the users who are added to the Security Configuration as an individual user can run the MultiQuant MD software. This issue has now been fixed. (MQ-283)
- Users can now export the correlation coefficient (r value) as an additional column in the exported text file. (MQ-291)
- Support has been added for monochrome pictures in reports. (MQ-292)
- Previously, a created report was deleted when the discard changes option in Audit Trail was selected. This issue has now been fixed. (MQ-289)
- The axis labeling in the chromatogram report is too small and difficult to read. Now the user can specify a font size for axis and peak labeling in the template editor for each picture tag. (MQ-294)
- If there are compounds using the same MRM transition, then the Q1/Q3 transition for the first compound is used for the later compounds if, after creating a **Results Table**, the user updates the method using the **Edit Results Table Method** option and then resets the new typical sample. The new typical sample is a sample from another .wiff file with the same compounds acquired but in a different order. This issue has now been fixed. (MQ-342)
- In the previous release, incorrect data was shown in the **Results Table** if all of these conditions were met:
 - The **Cache Chromatograms for Faster Peak Review** check box was selected.
 - The data files used to create the results had identical file names and were stored in separate folders.
 - The user created multiple **Results Tables** simultaneously using the **Results Table** wizard. This release resolves this issue so that these conditions no longer result in incorrect data in the **Results Table**. (MQ-297)

MultiQuant™ MD Software Features

The MultiQuant™ MD 3.0 software is a quantitation package designed to process AB SCIEX instrument data. The MultiQuant MD 3.0 software incorporates many additional new features not available in the Analyst® MD software Quantitation module.

- Ability to add samples from multiple batches and multiple .wiff files.
- **Faster, Better: Speed Improvements:**
 - **Faster Navigation:** The design of the user interface for the MultiQuant MD software has been improved, resulting in faster navigation, including visual cues for row selection and faster sample assignment for multi-component samples.
 - **Faster Integration:** Integration using the latest version of the Analyst MD software integration algorithm, MQ4, is significantly faster for large MRM datasets, allowing users to review and edit the data more quickly.
- **Introduction of the SignalFinder™ Integration Algorithm**
 - The **SignalFinder integration algorithm** is a new integration algorithm introduced with the MultiQuant MD 3.0 software. By using peak modeling capabilities using a reference spectrum, this algorithm is able to achieve impressive results, minimizing the need for manual integration of the data, or tweaking data parameters.
 - **Dynamic Range Extension** is achieved within the SignalFinder™ integration algorithm to extend the upper dynamic range of a sample set by up to 30 times during cases where detector saturation predominates.
- **MultiQuant MD Advanced Audit Trail Software**

The MultiQuant MD 3.0 software redefines the audit trail experience for quantitation. It provides fast navigation tools and same-screen integration difference comparisons along with the audit trail entries.

 - **Searching:** The MultiQuant MD software provides users with the ability to filter through the audit trail quickly and effectively.
 - **"Before and After" Review of Integration Data:** By clicking on a sample in the audit trail, users immediately see the integrated chromatograms from both before and after the change was made.
- **Results Table Lockdown and Fast E-Signatures**
 - After integrating the peaks, the user can lock down the Results Table. Only a user with the correct role assignment can unlock the Results Table after it is locked. However, a QC reviewer can still log comments about the Results Table in the audit trail. This enforces separation of roles, and makes sure that changes are not made in the review process without appropriate approval.
 - E-Signatures on changes to integrations are consolidated, so that a single E-Signature signs off on the set of events that changes a chromatogram, rather than performing multiple E-Signatures for each change.

Installation Instructions

Prerequisites for Installing Using the DVD

The following are required to install and run the software. The logged on user must be an administrator on the computer to install the software. For Microsoft Windows 7, the User Account Control setting should be set to "Never notify".

- Windows XP with SP3 (32-bit) or Windows 7 with SP1 (32- or 64-bit)
- 1.6.2 software

Additional Software Requirements

- Only the English version of the Windows XP operating system with SP3 or the English version of the Windows 7 operating system with SP1 is supported. The format for numbers, currencies, dates, and time must be set to English (United States). Setting the format to a different value might result in erroneous data.
- Microsoft Office 2010 or 2013 is required for generating or modifying reports.

Install the Software

1. Run the **setup.exe** file.
2. Activate the licence.

Install the Software Update on the Analyst Administrator Console (AAC) Server

If your organization is using the software and uses the AAC, then you must update the AAC Server to add the software security items. The software update file (**AACUpdateSetup.exe**) is located on the software installation DVD in the **InstallerAdminConsole** folder.

1. (Only applicable for Windows 7 64-bit operating systems.) Copy and paste the **securitydb.odt** file from the C:\Program Files (x86)\Administrator Console Server folder to the same folder and then rename it to **MQBackupSecurityDB.odt**.
2. Double-click **AACUpdateSetup.exe** and then follow the on-screen instructions.

Install the Software on a Workstation Connected to the AAC

Note: If the workstation is connected to the AAC, then you must first disconnect the workstation from the AAC before you can install the software.

1. In the software, in **Configure** mode, click **Tools > Settings > Administrator options**.
2. Clear the **Use Server Based Security** check box.
3. Close the software.
4. Install the software.
5. If required, activate the licence.
6. Start the software.

Note: The Analyst MD software security must be set to Mixed Mode or Integrated Mode.

7. Reconnect the workstation to the AAC. Refer to the Analyst MD *Laboratory Director's Guide*.
8. Start the software from the Analyst MD software navigation bar.

Because the Analyst MD software is connected to the AAC, the software includes the security permissions from the AAC security database.

Revert the Security Database

Use this procedure to remove the software security items from the software security database. This procedure must only be performed on the AAC server by a user with administrator privileges.

CAUTION: The database is reverted to the last version of the database that was saved prior to the installation of the AACUpdateSetup.exe. All security changes and all audit changes made after the installation of the AACUpdateSetup.exe are lost if you revert the database.

1. Click **Start > Run** and then type **CMD** in the **Open** field.
2. Type **net stop Poet** in the command window. (Do not close the command window.)
3. Open the <drive>:\Program Files\Administrator Console Server folder where the AAC server is installed.
4. Rename the **securitydb.odb** file to **securitydb.bak**.
5. Rename the **MQBackupSecurityDB.odb** file to **securitydb.odb**.
6. Return to the command window and then type: **net start Poet**.

The database is reverted.

Remove the Software

Remove the software before removing the software.

1. Open **Control Panel**.

Release Notes

2. Proceed as follows, depending on the operating system:

| Windows XP | Windows 7 |
|--|--|
| Double-click Add or Remove Programs . | Click Programs and Features and then click Uninstall a program . |
| Click MultiQuant MD 3.0.x . | Click MultiQuant MD 3.0.x . |
| Click Remove . | Click Uninstall . |

During removal, you are prompted to remove the MultiQuant MD software configuration files. If you intend to reinstall the MultiQuant MD software on this computer at a later date, then keep the configuration files.

3. Remove the software.

Notes on Use

- Processing data files while they are being acquired using network acquisition can cause conflict errors. To avoid these errors, it is recommended to use a single injection per .wiff file.
- Results Tables that contain over 100 000 rows might require a computer with at least 4 GB RAM.
- The license file becomes corrupted if users change the date on their computer to a date after the the expiry date of the license and then try to change the date back to the current date.
- English-only operating systems are supported.
- If Microsoft Office is not installed on the workstation, then the reporting functionality is hidden.
- To make sure that reports are generated correctly, in the **Components** table of the quantitation method, list all of the analytes at the top of the table and all of the internal standards at the bottom of the table. Analytes from the same group must be listed together and in the correct order. Groups cannot be mixed in the method. If groups are mixed, then the columns in the report will be misaligned. The mixture of grouping and non-grouping of analytes in the quantitation method is not supported. All the analytes are assigned to groups or all the analytes are not assigned to groups.
- If users change the active project in the MultiQuant™ MD software and then return to the Analyst® MD software, the new active project must be selected from the **Project** list. The Analyst MD software project list is not automatically updated when the project is changed using the MultiQuant MD software.

Known Issues and Limitations

- If the Analyst Administrator Console (AAC) is used to manage people, projects, and workstations, then the MultiQuant™ MD software allows users to access all projects regardless of the AAC workgroup settings. (ST032639)

- Avoid using the same name for a custom column in the acquisition file and a column in the MultiQuant MD **Results Table**. If the same name is used, then the information in the custom column is not read in the **Results Table**. In addition to the columns listed in the MultiQuant MD *Reference Guide*, the **Barcode** and **Scanned Barcode** are also used exclusively by the MultiQuant MD software and must not be used in the acquisition method. The column name is not case sensitive. (MQ-345)

Support

Additional Documentation

Refer to the documentation that comes with the software.

Contact Us

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Technical Support

AB SCIEX and its representatives maintain a staff of fully-trained service and technical specialists located throughout the world. They can answer questions about the system or any technical issues that might arise. For more information, visit the Web site at www.absciex.com.

Revision History

| Revision | Reason for Change | Date |
|----------|--|----------------|
| A | First release of document. | September 2013 |
| B | Added "Changes from Version 3.0 to Version 3.0.1". Added issue MQ-342. | August 2014 |